

### NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 04/02/01 are:

- A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

1. **DRAWINGS.** 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).  
Color drawings are not acceptable until petition is granted. Fig(s) \_\_\_\_\_  
Pencil and non black ink not permitted. Fig(s) \_\_\_\_\_
2. **PHOTOGRAPHS.** 37 CFR 1.84(b)  
One (1) full-tone set is required. Fig(s) \_\_\_\_\_  
Photographs may not be mounted. 37 CFR 1.84(c)  
Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) \_\_\_\_\_  
Poor quality (half-tone). Fig(s) \_\_\_\_\_
3. **TYPE OF PAPER.** 37 CFR 1.84(e)  
Paper not flexible, strong, white, and durable. Fig(s) \_\_\_\_\_  
☒ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) 1-21
4. **SIZE OF PAPER.** 37 CFR 1.84(f): Acceptable sizes:  
21.0 cm by 29.7 cm (DIN size A4) or  
21.6 cm by 27.9 cm (8 1/2 x 11 inches)  
All drawing sheets not the same size. Sheet(s) \_\_\_\_\_  
Drawings sheets not an acceptable size. Fig(s) \_\_\_\_\_
5. **MARGINS.** 37 CFR 1.84(g): Acceptable margins:  
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
☒ Margins not acceptable. Fig(s) 3, 4, 12  
Top (T) ☒ Left (L)  
☒ Right (R) Bottom (B)
6. **VIEWS.** 37 CFR 1.84(h)  
REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.  
Views not labeled separately or properly. Fig(s) \_\_\_\_\_
7. **SECTIONAL VIEWS.** 37 CFR 1.84(h)(3)  
Sectional designation should be noted with Arabic or Roman numbers. Fig(s) \_\_\_\_\_

8. **ARRANGEMENT OF VIEWS.** 37 CFR 1.84(i)  
Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) \_\_\_\_\_
9. **SCALE.** 37 CFR 1.84(k)  
Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) \_\_\_\_\_
10. **CHARACTER OF LINES, NUMBERS, & LETTERS.** 37 CFR 1.84(l)  
☒ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) 1-21
11. **SHADING.** 37 CFR 1.84(m)  
Solid black areas pale. Fig(s) \_\_\_\_\_  
☒ Solid black shading not permitted. Fig(s) 2, 3, 5-21
12. **NUMBERS, LETTERS, & REFERENCE CHARACTERS.** 37 CFR 1.84(p)  
☒ Numbers and reference characters not plain and legible. Fig(s) 1-21  
☒ Figure legends are poor. Fig(s) 1-21  
Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) \_\_\_\_\_  
English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) \_\_\_\_\_  
☒ Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) 1-21
13. **LEAD LINES.** 37 CFR 1.84(q)  
Lead lines missing. Fig(s) \_\_\_\_\_
14. **NUMBERING OF SHEETS OF DRAWINGS.** 37 CFR 1.84(t)  
Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s) \_\_\_\_\_
15. **NUMBERING OF VIEWS.** 37 CFR 1.84(u)  
Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) \_\_\_\_\_
16. **DESIGN DRAWINGS.** 37 CFR 1.152  
Surface shading shown not appropriate. Fig(s) \_\_\_\_\_  
Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) \_\_\_\_\_

**COMMENTS:**

Fig. labels placed incorrectly - Fig. 17-21

Reviewer Tang  
If you have questions, call (703) ~~305-0101~~ 305-0333

Date 03/17/05  
Attachment to Paper No. \_\_\_\_\_